

DART AEROSPACE LTD		Work Order:	24720
Description: ECN 720 / D205-633-023/-024		Part Number:	D3437-043
Dwg:		Qty:	2
		Page of	

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveler			
1	QC4	Quarantine D205-633-024 B23389; D205-633-023 B23388 steps and inspect Kit, for ECN 720.	J	05-10-31	2
2	GA	<del>Disassemble</del> Disassemble D3437-043 strut Ass'y (B23403 Rev A) and quarantine D3437-9 eye bolt (x2 B23409 Rev A).	J	05-10-31	2
3	GA	re-assemble D3437-043 as per Rev B with new D3437-9 eye bolt B24309 Batch:	JB	05/10/31	2
4	QC5	Inspect work.	HT	05.10.31	2
5	PK	ADD 2565-211 Strut Batch: B23488 to Kit as per ECN 720 / D31 9300 Rev. B	PU	05-11-07	2
6	QC4	Inspect kit for completeness	CL	05/11/07	2
7	PK	re-package D205-633-023/-024 as per PPP D205-633-023/-024 Rev B, and identify with new batch number B24720 for both 023/-024.	PU	05/11/07	2
8	AC	cost			
9	DC/QC21	close w/o.	LD	05/11/08	2

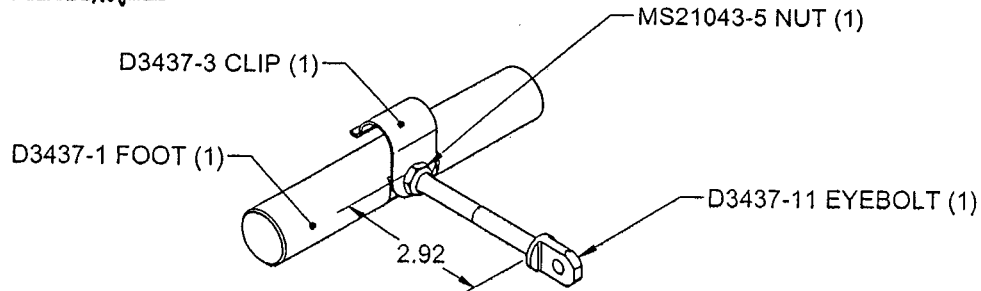
Rev	Date	Change	Revised By	Approved



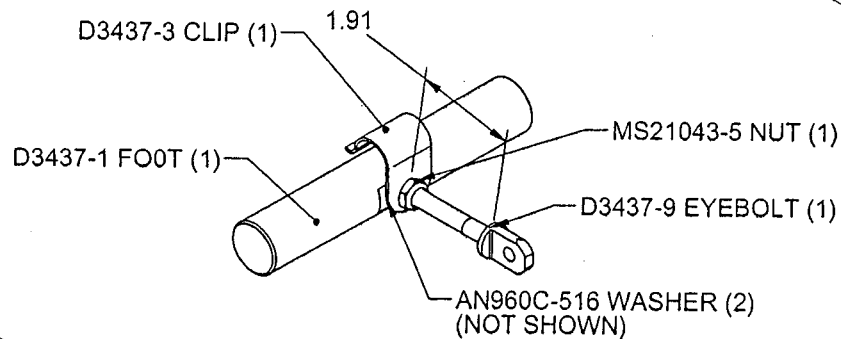
DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. D3437	REV. B SHEET 1 OF 4
DATE 05.08.11		TITLE AFT STRUT ASSEMBLY	SCALE 1:2
A	05.04.29	NEW ISSUE	
B	05.08.11	UPDATE D3437-5/-9/-11 DIMENSIONS	

RELEASED

05.08.16

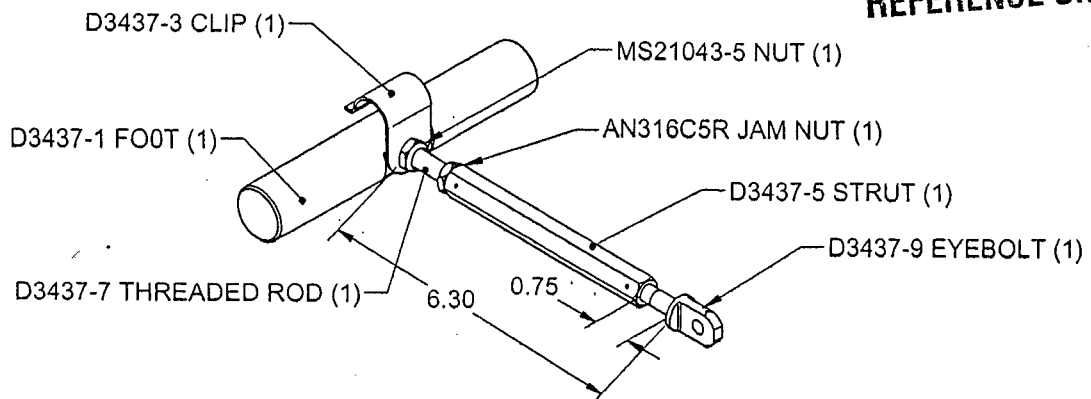


**D3437-041 AFT STRUT ASSEMBLY**



**D3437-043 AFT STRUT ASSEMBLY**



**REFERENCE ONLY**

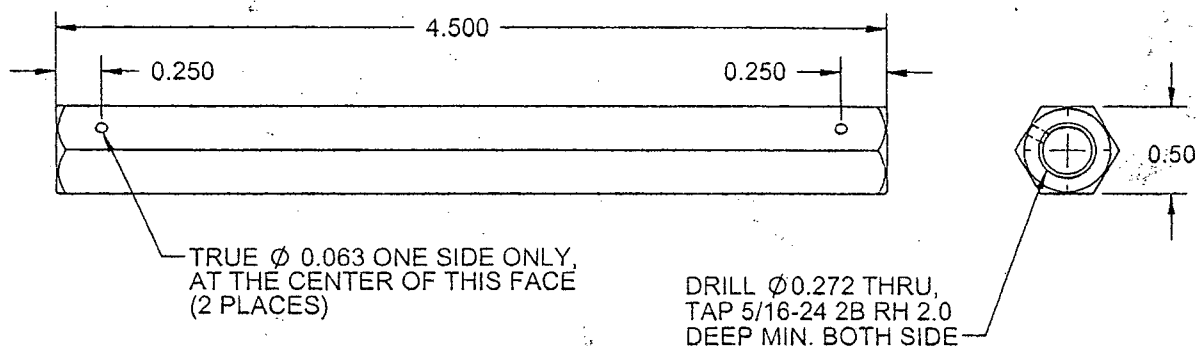


**D3437-045 AFT STRUT ASSEMBLY**

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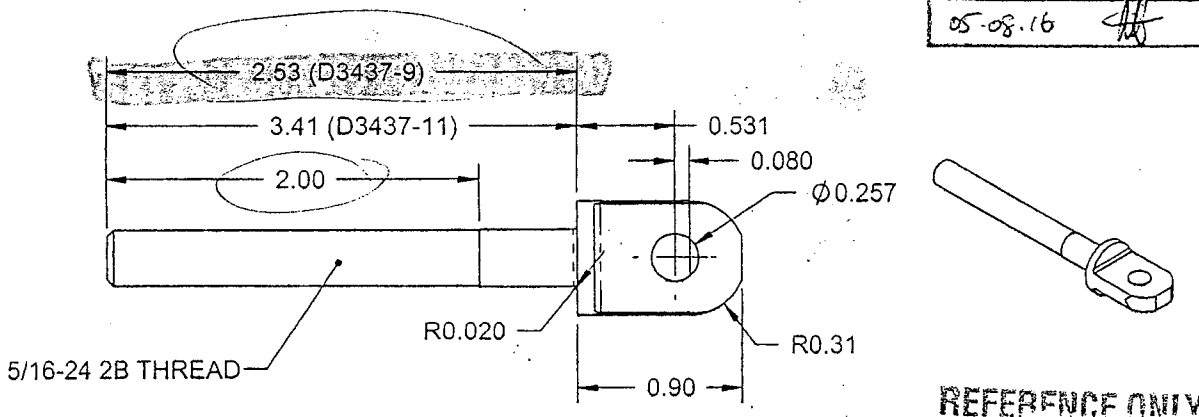
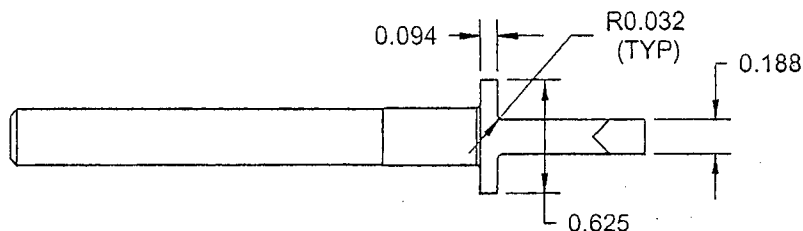
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DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. D3437	REV. B SHEET 4 OF 4
DATE 05.08.11		TITLE AFT STRUT ASSEMBLY	SCALE 1:2



D3437-5 STRUT:

- 1) MATERIAL: AISI 303 STAINLESS HEX BAR (DART REF. SPEC M303H0.500)  
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED  
3) ALL DIMENSIONS ARE IN INCHES  
4) BREAK ALL SHARP EDGES 0.005 TO 0.010



D3437-9/-11 EYEBOLT:

- 1) MATERIAL: AISI 303 STAINLESS ROUND BAR (DART REF. SPEC M303R)  
2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED  
3) ALL DIMENSIONS ARE IN INCHES  
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

# ENGINEERING CHANGE NOTICE

<b>DART AEROSPACE LTD</b>		<b>ECN #:</b> 720	
Date: 05.08.12			
Project No: D205-633 / D206-508	Created By: RF	Checked By:	
Project Name: HELI-ACCESS STEP/ANTENNA MOUNT	Approved By: (Proj. Manager)	Approved By: (Management if reqd)	
Description of Change:			
RELEASE D3437 REV. B DSI9300 REV. B D206-508-041 REV. B2			

3437-633/  
D206-508-041-508

DSI9300-633  
633?

Notification/Acceptance	Affected	Initials	Authorization		
QA	✓				
Production	✓	U			
Planning	✓				
Marketing	✓				
Engineering Actions	Yes	No	Responsible	To happen by:	Complete
Update Blue/Pink File	✓		KJ/RF	05.08.24	05.08.24 KJ
Update DSI File	✓		KJ	05.08.24	05.08.24 KJ
Update D-Part Master Binder	✓		KJ	05.08.24	05.08.24 KJ
Update Grey Project Binder	✓		KJ		
Update DEO Binder	✓		KJ	05.08.24	05.08.24 KJ
Update Master Document List		✓			
Update Drawing Approval Record	✓		KJ	05.08.24	05.08.24 KJ
Update Change Record Form		✓			
Move Electronic File	✓		KJ	05.08.24	05.08.24 KJ
Notify TCA of Change	✓		DS		
Notify FAA of Change		✓			
Update QSI 021		✓			
Update QSI 036		✓			
Scan Documents	✓		KJ	05.08.24	05.08.24 KJ
Update MIS Database		✓			
Update Access Database		✓			
Verification ARC		✓			
Create/Update STC Approval List		✓			
Create/Update IPP's	✓		JLM		
Create/Update BOM's	✓		KJ		
Create/Update PPP's		✓			
Update Paperwork Kits in Production	✓		RF/LL		
Update Paperwork Kits in Stock	✓		RF/LL		
Rework/Scrap Current Production		✓			
Rework/Scrap Kits in Stock?	✓		RF/DAN		
Create/Update Laminated Dwgs		✓			
Create/Update Controlled Dwgs	✓		KJ	05.08.24	05.08.24 KJ
Create/Update FAI sheets	✓		JLM		
Create/Update CNC Programs	✓		JLM		
Create/Update Tooling		✓			
Create/Update DXF File		✓			
MPP required?		✓			
Notify Previous Customers		✓			
Notify Eurocopter France		✓			

Notes:

- BJM
- UPDATE IPP'S FOR D3437-9/-11/-041/-043/-045
- UPDATE CNC PROGRAM FOR D3437-9/-11/-5
- UPDATE IPP/BJM D205-633-021/-022/-023/-024/-025/-026 PART LIST
- KEEP CHG 001 FOR D205-633-021/-022/-023/-024/-025/-026 STEPS
- UPDATE IPP FOR D206-508-041
- SEND TO DELASTER UPDATE DWG. D206-508-041 done 05.08.24 KJ

UPDATE WITH REASON FOR D205-633-023/-024  
UPDATE WITH REASON FOR D3437 REV. B  
PART LIST AS PER DSI 9300 REV. B



DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 2 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP	SCALE NTS

eye bolt  
**PARTS LIST**

QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description
X						D205-633-021	Heli-Access-Step™ (LH), High Gear
	X					D205-633-022	Heli-Access-Step™ (RH), High Gear
		X				D205-633-023	Heli-Access-Step™ (LH), Extended High Gear (31")
			X			D205-633-024	Heli-Access-Step™ (RH), Extended High Gear (31")
				X		D205-633-025	Heli-Access-Step™ (LH), Extended High Gear (39")
					X	D205-633-026	Heli-Access-Step™ (RH), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER
2	2	2	2	2	2	D2022-103	SPACER
				1	1	D2562-005	STRUT
1	1					D2562-011	STRUT
		1	1			D2562-013	STRUT
1		1		1		D2563	WELDMENT ASSEMBLY
				*1	*1	D3165-1	STRUT
1	1					D2565-101	STRUT
1	1					D2565-103	STRUT
1	1					D2565-105	STRUT
1	1					D2565-107	STRUT
1	1					D2565-109	STRUT
*1	*1					D2565-111	STRUT
		1	1			D2565-201	STRUT
		1	1			D2565-203	STRUT
		1	1			D2565-205	STRUT
		1	1			D2565-207	STRUT
		1	1			D2565-209	STRUT
				1	1	D2565-301	STRUT
				1	1	D2565-303	STRUT
				1	1	D2565-305	STRUT
				1	1	D2565-307	STRUT
				1	1	D2565-309	STRUT
1	1	1	1			D3437-041	AFT STRUT ASSEMBLY
		1	1			D3437-043	AFT STRUT ASSEMBLY
				1	1	D3437-045	AFT STRUT ASSEMBLY
	1		1		1	D3438-042	WELDMENT ASSEMBLY
1	1	1	1	1	1	AN4-5A	BOLT
4	4	3	3	3	3	AN4-6A	BOLT
1	1	1	1	1	1	AN4-7A	BOLT
1	1					AN4-11A	BOLT
		1	1	1	1	AN4-12A	BOLT
1	1	1	1	1	1	AN4-14A	BOLT
1	1	1	1	1	1	AN44-7A	EYEBOLT
1	1	1	1	1	1	AN5-14A	BOLT
16	16	14	14	14	14	AN960JD416	WASHER
3	3	3	3	3	3	AN960JD516	WASHER
8	8	7	7	7	7	MS21042L4	NUT (or MS21042-4)
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**

BY:   
D. SHEPHERD (DE # 02)

DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

\* ONLY INSTALLED IF TANK IS REMOVED

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5/22

DART AEROSPACE LTD

Work Order:

23403

Description: Aft Strut Assembly

Part Number:

D3437-043

Dwg: D3437 Rev. A page 1

Qty:

8

Page 1 of 1

Step	Location	Procedure	By	Date	Qty																								
1	DC	Issue Traveler	JA	05.05.20	8																								
2	GA	Assemble as per Dwg D3437 Dwg Rev: <u>A</u> Pick: <table><tr><th>Qty</th><th>Part Number</th><th>Description</th><th>Batch</th></tr><tr><td>1</td><td>D3437-1</td><td>Foot</td><td>B 23 382</td></tr><tr><td>1</td><td>D3437-3</td><td>Clip</td><td>B 23 408</td></tr><tr><td>1</td><td>D3437-9</td><td>Eye Bolt</td><td>B 23 409</td></tr><tr><td>1</td><td>AN960C-516</td><td>Washer</td><td>M 17 697</td></tr><tr><td>1</td><td>MS21043-5</td><td>Self Locking Nut</td><td>M 17 653</td></tr></table>	Qty	Part Number	Description	Batch	1	D3437-1	Foot	B 23 382	1	D3437-3	Clip	B 23 408	1	D3437-9	Eye Bolt	B 23 409	1	AN960C-516	Washer	M 17 697	1	MS21043-5	Self Locking Nut	M 17 653	SB	05/05/31	8
Qty	Part Number	Description	Batch																										
1	D3437-1	Foot	B 23 382																										
1	D3437-3	Clip	B 23 408																										
1	D3437-9	Eye Bolt	B 23 409																										
1	AN960C-516	Washer	M 17 697																										
1	MS21043-5	Self Locking Nut	M 17 653																										
3	QC4	Inspect Kit 100% for completeness on the W/O	JA	05.05.31	8																								
4	ST	Identify and Stock	CJ	05/06/01	8																								
5	AC	Cost / part: <u>40.90</u>	545	05.06.03	8																								
6	DC	Close W/O <u>40.90</u> Inspect Level 21	JA	05.06.08	8																								

Rev	Date	Change	Revised By	Approved
A	05.05.20	New Issue	KJ/JLM	

RELEASED  
05.05.20

5/22

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b>	23388
<b>Description:</b> Heli Access Step, Extended High Gear, LH, 31"		<b>Part Number:</b>	D205-633-023
<b>Drawing:</b>		<b>Qty:</b>	4
<b>Ref:</b> DSI 9300 Rev. A		Page 1 of 1	

Step	Location	Procedure	By	Date	Qty																																																																																								
1	DC	Issue Traveler	HA	05.05.27	4																																																																																								
2	DC	Photocopy bluefile and create labels per PPP D205-633-023 CHG001 wk 21 HA	HA	05.05.31	4																																																																																								
3	PK	<b>Pick: Packing Kit</b> <table><thead><tr><th>Qty</th><th>Part Number</th><th>Description</th><th>Batch</th></tr></thead><tbody><tr><td>4</td><td>D2022-101</td><td>✓Spacer</td><td>B21505</td></tr><tr><td>2</td><td>D2022-103</td><td>✓Spacer</td><td>B16062</td></tr><tr><td>1</td><td>D2562-013</td><td>✓Strut</td><td>B23395</td></tr><tr><td>1</td><td>D2563</td><td>Weldment Assembly</td><td>B23397A</td></tr><tr><td>1</td><td>D2565-201</td><td>✓Strut</td><td>B23398</td></tr><tr><td>1</td><td>D2565-203</td><td>✓Strut</td><td>B23399</td></tr><tr><td>1</td><td>D2565-205</td><td>✓Strut</td><td>B23400</td></tr><tr><td>1</td><td>D2565-207</td><td>✓Strut</td><td>B23401</td></tr><tr><td>1</td><td>D2565-209</td><td>✓Strut</td><td>B23402</td></tr><tr><td>1</td><td>D3437-043</td><td>✓Aff Strut Assembly</td><td>B23403</td></tr><tr><td>1</td><td>AN4-5A</td><td>✓Bolt</td><td>m13247</td></tr><tr><td>3</td><td>AN4-6A</td><td>✓Bolt</td><td>m16067</td></tr><tr><td>1</td><td>AN4-7A</td><td>✓Bolt</td><td>m16199</td></tr><tr><td>1</td><td>AN4-12A</td><td>✓Bolt</td><td>m16323</td></tr><tr><td>1</td><td>AN4-14A</td><td>✓Bolt</td><td>m14600</td></tr><tr><td>1</td><td>AN44-7A</td><td>✓Eye Bolt</td><td>m17653/m17697</td></tr><tr><td>1</td><td>AN5-14A</td><td>✓Bolt</td><td>m11921</td></tr><tr><td>14</td><td>AN960JD416</td><td>✓Washer</td><td>m16941</td></tr><tr><td>3</td><td>AN960JD516</td><td>✓Washer</td><td>m16527</td></tr><tr><td>7</td><td>MS21042L4</td><td>✓Nut (or -4)</td><td>m15924</td></tr><tr><td>2</td><td>MS21042L5</td><td>✓Nut (or -5)</td><td>m16822</td></tr></tbody></table>	Qty	Part Number	Description	Batch	4	D2022-101	✓Spacer	B21505	2	D2022-103	✓Spacer	B16062	1	D2562-013	✓Strut	B23395	1	D2563	Weldment Assembly	B23397A	1	D2565-201	✓Strut	B23398	1	D2565-203	✓Strut	B23399	1	D2565-205	✓Strut	B23400	1	D2565-207	✓Strut	B23401	1	D2565-209	✓Strut	B23402	1	D3437-043	✓Aff Strut Assembly	B23403	1	AN4-5A	✓Bolt	m13247	3	AN4-6A	✓Bolt	m16067	1	AN4-7A	✓Bolt	m16199	1	AN4-12A	✓Bolt	m16323	1	AN4-14A	✓Bolt	m14600	1	AN44-7A	✓Eye Bolt	m17653/m17697	1	AN5-14A	✓Bolt	m11921	14	AN960JD416	✓Washer	m16941	3	AN960JD516	✓Washer	m16527	7	MS21042L4	✓Nut (or -4)	m15924	2	MS21042L5	✓Nut (or -5)	m16822			
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4	QC4	Inspect Kit 100% for completeness on the W/O	ML	05-06-01	4																																																																																								
5	PK	Identify and pack for shipping as per PPP D205-633-023 Draft	CL	05/06/01	4																																																																																								
6	AC	Cost / part: 213.92	Syr	05-06-03	4																																																																																								
7	DC	Close W/O 236.80 Inspect Level 21	HA	05.06.01	4																																																																																								

Rev	Date	Change	Revised By	Approved
A	05.05.24	New issue	KJ/JLM	

BL

RELEASED  
05.05.27

51.22  
DART AEROSPACE LTD

Work Order:

23389

Description: Heli Access Step, Extended High Gear, RH, 31"

Part Number:

D205-633-024

Drawing:

Qty:

4

Ref: DSI 9300 Rev. A

Page 1 of 1

Step	Location	Procedure	By	Date	Qty																																																																																								
1	DC	Issue Traveler	AK	05.05.27	4																																																																																								
2	DC	Photocopy bluefile and create labels per PPP D205-633-024 CHG001 WK 21	AK	05.06.31	4																																																																																								
3	PK	<b>Pick: Packing Kit</b> <table><thead><tr><th>Qty</th><th>Part Number</th><th>Description</th><th>Batch</th></tr></thead><tbody><tr><td>4</td><td>D2022-101</td><td>✓Spacer</td><td>B21505</td></tr><tr><td>2</td><td>D2022-103</td><td>✓Spacer</td><td>B216062</td></tr><tr><td>1</td><td>D2562-013</td><td>✓Strut</td><td>B23395/B23395B</td></tr><tr><td>1</td><td>D2565-201</td><td>✓Strut</td><td>B21601/B23398</td></tr><tr><td>1</td><td>D2565-203</td><td>✓Strut</td><td>B21602</td></tr><tr><td>1</td><td>D2565-205</td><td>✓Strut</td><td>B21603/B23400</td></tr><tr><td>1</td><td>D2565-207</td><td>✓Strut</td><td>B21604/B23401</td></tr><tr><td>1</td><td>D2565-209</td><td>✓Strut</td><td>B21605</td></tr><tr><td>1</td><td>D3437-043</td><td>✓Aft Strut Assembly</td><td>B23403</td></tr><tr><td>1</td><td>D3438-042</td><td>✓Weldment Assembly</td><td>B23452</td></tr><tr><td>1</td><td>AN4-5A</td><td>✓Bolt</td><td>m15247</td></tr><tr><td>3</td><td>AN4-6A</td><td>✓Bolt</td><td>m16067</td></tr><tr><td>1</td><td>AN4-7A</td><td>✓Bolt</td><td>m16199</td></tr><tr><td>1</td><td>AN4-12A</td><td>✓Bolt</td><td>m16323</td></tr><tr><td>1</td><td>AN4-14A</td><td>✓Bolt</td><td>m14600</td></tr><tr><td>1</td><td>AN44-7A</td><td>✓Eye Bolt</td><td>m17653</td></tr><tr><td>1</td><td>AN5-14A</td><td>✓Bolt</td><td>m11921</td></tr><tr><td>14</td><td>AN960JD416</td><td>✓Washer</td><td>m16941</td></tr><tr><td>3</td><td>AN960JD516</td><td>✓Washer</td><td>m16527</td></tr><tr><td>7</td><td>MS21042L4</td><td>✓Nut (or -4)</td><td>m15924</td></tr><tr><td>2</td><td>MS21042L5</td><td>✓Nut (or -5)</td><td>m16822</td></tr></tbody></table>	Qty	Part Number	Description	Batch	4	D2022-101	✓Spacer	B21505	2	D2022-103	✓Spacer	B216062	1	D2562-013	✓Strut	B23395/B23395B	1	D2565-201	✓Strut	B21601/B23398	1	D2565-203	✓Strut	B21602	1	D2565-205	✓Strut	B21603/B23400	1	D2565-207	✓Strut	B21604/B23401	1	D2565-209	✓Strut	B21605	1	D3437-043	✓Aft Strut Assembly	B23403	1	D3438-042	✓Weldment Assembly	B23452	1	AN4-5A	✓Bolt	m15247	3	AN4-6A	✓Bolt	m16067	1	AN4-7A	✓Bolt	m16199	1	AN4-12A	✓Bolt	m16323	1	AN4-14A	✓Bolt	m14600	1	AN44-7A	✓Eye Bolt	m17653	1	AN5-14A	✓Bolt	m11921	14	AN960JD416	✓Washer	m16941	3	AN960JD516	✓Washer	m16527	7	MS21042L4	✓Nut (or -4)	m15924	2	MS21042L5	✓Nut (or -5)	m16822			
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4	QC4	Inspect Kit 100% for completeness on the W/O	ml	05-06-01	4																																																																																								
5	PK	Identify and pack for shipping as per PPP D205-633-024 Draft	CL	05/06/01	4																																																																																								
6	AC	Cost / part: 217.80	Syc	05-06-08	8																																																																																								
7	DC	Close W/O 243.72 Inspect Level 21	AK	05.06.01	4																																																																																								

Rev	Date	Change	Revised By	Approved
A	05.05.24	New issue	KJ/JLM	

RELEASED  
15.05.27

BH